

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: IL-Won Shin

GENERAL INFORMATION:

Name:	Marathon Petroleum Company, LLC
Address:	230 East 33 <sup>rd</sup> Street, Covington, KY 41015
Date application received:	September 12, 2007
SIC/Source description:	5171, Petroleum Bulk Stations & Terminals
Source ID:	21-117-00022
Agency Interest:	2479
Activity:	APE20070003
Permit:	F-06-020 R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
<u>x</u> Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

**Emissions Potential with Modification of New Distillate Loading Rack (F-06-020 R1)**

Pollutant	Actual (tpy)	Potential (tpy)
VOC	50.354	< 90
Benzene	0.387	< 9
Ethyl-benzene	0.045	< 9
Hexane	0.686	< 9
Toluene	0.571	< 9
2,2,4 -Trimethylpentane	0.342	< 9
Xylene	0.253	< 9
Total HAP	2.285	< 22.5

**SOURCE DESCRIPTION:**

Marathon Petroleum Company, LLC (MPC) owns and operates a terminal in Covington, Kentucky. The terminal receives product by barge, stores the product in tanks, and then loads the product to tank trucks for distribution.

On September 9, 2005, MPC submitted letters to the Division requesting the addition of alternate control devices for the terminal. MPC also submitted a new application on January 9, 2006. In addition, MPC submitted a New Source Performance Standard (NSPS) "Reconstruction" Notification for Tank 324 and NSPS Modification Determination for Tank 29-320 on February 27, 2006. Corrected distillate loading emission factors and the insignificant activity of pump modification were submitted on April 20, 2006 and May 12, 2006, respectively. All of these change for the terminal were permitted under Kentucky air operating permit F-06-020.

**MINOR PERMIT REVISION 1: REPLACEMENT OF EXISTING DISTILLATE TRUCK LOADING RACKS**

MPC is planning on replacing existing distillate truck loading racks (Emission Points 014 and 015) with a new distillate loading rack at the Covington Terminal. The proposed new two-bay bottom loading rack (014R) has 8 loading arms, also for distillate/kerosene/diesel service. The project also includes a new 1,500-gallon red dye tank, several new pumps, piping changes, and the relocation of several existing tanks.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

In order to ensure that the terminal remains exempt from the regulations applicable to major sources of criteria and hazardous air pollutant (HAP) emissions, including the Gasoline Distribution MACT (40 CFR 63 Subpart R), MPC has a Conditional Major permit. Terminal emissions are limited to less than 90 ton/yr volatile organic compounds (VOC), 22.5 ton/yr total HAP, and 9 ton/yr individual HAP. Monthly and rolling 12-month total emissions will be calculated. Emission calculations and supporting documentation will be retained at the terminal.

**OPERATIONAL FLEXIBILITY:**

None